| 0     | For receiving Office use only   |   |  |
|-------|---|---|--|
| 0-1   | International Application No.   |   |  |
| 0-2   | International Filing Date   |   |  |
| 0-3   | Name of receiving Office and "PCT International Application"  |   |  |
| 0-4   | Form - PCT/RO/101 PCT Request   |   |  |
| 0-4-1 | Prepared Using  | PCT Online Filing Version 3.50 (Build 0001.162)                                 |  |
| 0-5   | Petition  |   |  |
|       | The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty |   |  |
| 0-6   | Receiving Office (specified by the applicant)   | European Patent Office (EPO) (RO/EP)  |  |
| 0-7   | Applicant's or agent's file reference   | CML01371EV  |  |
| I     | Title of Invention  | METHOD AND APPARATUS FOR FRAGILE WATERMARKING                                   |  |
| II    | Applicant   |   |  |
| II-1  | This person is:   | applicant only  |  |
| II-2  | Applicant for   | all designated States except US   |  |
| 11-4  | Name:   | MOTOROLA INC  |  |
| II-5  | Address:  | 1303 E.Algonquin Road<br>Schaumburg, Illinois 60196<br>United States of America |  |
| II-6  | State of nationality  | us  |  |
| 11-7  | State of residence  | us  |  |
| 11-8  | Telephone No.   | 01256 790392  |  |
| 11-9  | Facsimile No.   | 01256 811319  |  |
| II-10 | e-mail  | derek.mccormack@motorola.com  |  |
| II-11 | Applicant's registration No. with the Office  | 33341892  |  |

| III-1                                   | Applicant and/or inventor   |  |  |  |
|---|---|--|--|--|
| 111-1-1                                 | This person is:   | applicant and inventor                             |  |  |
| III-1-2                                 | Applicant for   | US only  |  |  |
| III-1-4                                 | Name (LAST, First)  | IZQUIERDO, Ebroul Dr                               |  |  |
| III-1-5                                 | Address:  | Multimedia And Vision Research Lab                 |  |  |
|   |   | University of London                               |  |  |
|   |   | Electronic Engineering Department                  |  |  |
|   |   | Queen Mary, Mile End Road                          |  |  |
|   |   | London   |  |  |
|   |   | Greater London<br>E14 NS                           |  |  |
|   |   | United Kingdom                                     |  |  |
| III-1-6                                 | State of nationality  | DE   |  |  |
| III-1-7                                 | State of residence  | GB   |  |  |
| IV-1                                    | Agent or common representative; or address for correspondence                 |  |  |  |
|   | The person identified below is hereby/ has been appointed to act on behalf of | agent  |  |  |
|   | the applicant(s) before the competent   | <b>3</b> *****                                     |  |  |
| IV-1-1                                  | International Authorities as: Name (LAST, First)                              | MGGODWA GY D 1 -                                   |  |  |
| IV-1-2                                  | Address:  | MCCORMACK,, Derek J.                               |  |  |
|   | , 184,1855.   | Motorola European Intellectual Property Operations |  |  |
|   |   | Midpoint, Alencon Link                             |  |  |
|   |   | Basingstoke  |  |  |
|   |   | Hampshire  |  |  |
|   |   | RG21 7PL   |  |  |
| IV-1-3                                  | Telephone No.   | United Kingdom                                     |  |  |
| IV-1-4                                  | Facsimile No.   | +44 1256 790 392                                   |  |  |
| IV-1-5                                  | e-mail  | +44 1256 811319                                    |  |  |
| IV-1-6                                  |   | derek.mccormack@motorola.com                       |  |  |
| V - 1-0                                 | Agent's registration No.  DESIGNATIONS  | 048151.5   |  |  |
| V-1                                     | The filing of this request constitutes  |  |  |  |
|   | under Rule 4.9(a), the designation of   |  |  |  |
|   | all Contracting States bound by the PCT on the international filing date,     |  |  |  |
|   | for the grant of every kind of protection available and, where                |  |  |  |
|   | applicable, for the grant of both   |  |  |  |
| *************************************** | regional and national patents.  |  |  |  |
| VI-1                                    | Priority claim of earlier national application                                |  |  |  |
| VI-1-1                                  | Filing date   | 08 August 2003 (08.08.2003)                        |  |  |
| VI-1-2                                  | Number  | 0318651.7  |  |  |
| VI-1-3                                  | Country   | GB   |  |  |
|   |   |  |  |  |

| VII-1  | International Searching Authority Chosen   | European Patent Office (EPO) (ISA/EP) |
|--------|--|---------------------------------------|
| VIII   | Declarations   | Number of declarations                |
| VIII-1 | Declaration as to the identity of the inventor   | 1                                     |
| VIII-2 | Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent             | -                                     |
| VIII-3 | Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application | 1                                     |
| VIII-4 | Declaration of inventorship (only for the purposes of the designation of the United States of America)                               | 1                                     |
| VIII-5 | Declaration as to non-prejudicial disclosures or exceptions to lack of novelty   | -                                     |

| VIII-1-1 | Declaration as to the identity of the inventor (Rules 4.17(i) and 51bis.1(a)(i)) | in relation to this international application  |
|----------|--|--|
|          | Name (LAST, First)   | IZQUIERDO, Ebroul Dr of  |
|          | Address:   | University of London Electronic Engineering Department Queen Mary, Mile End Road London Greater London E14 NS United Kingdom is the inventor of the subject matter for which protection is sought by way of this international application |
|          | all designations except the designation of the United States of America          |  |

|                   | and the state of the second Climan            | in relation to this international application  MOTOROLA INC is entitled to claim priority of earlier application No. 0318651.7 by virtue of the following: |
|-------------------|---|--|
| VIII-3-1(i<br>ii) |   | an agreement between MOTOROLA INC and IZQUIERDO, Ebroul Dr, dated 19 April 2004 (19.04.2004)   |
| •                 | This declaration is made for the purposes of: | all designations   |

| VIII-4-1       | Declaration: Inventorship (only for the purposes of the designation of the United States of America) Declaration of Inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for the purposes of the designation of the United States of America: | I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.  This declaration is directed to the international application of which it forms a part (if filing declaration with application).  I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.  I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications", by application number, country or Member of the World Trade Organization, day, month, and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed. |
|----------------|---|---|
| VIII-4-1-<br>1 | Prior applications:   | 0318651.7, GB, 08 August 2003 (08.08.2003)  |

| to be material to patentability as defined by 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application. I hereby declare that all statements made herein of my own knowledge are trand that all statements made herein of my own knowledge are trand that all statements wade are trand that all statements were made with the knowledge that willful false statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issue thereon.  VIII-4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-  |                  |   |  |
|--|------------------|---|--|
| 1-1 VIII-4-1- 1-2 (city and either US State, if applicable, or country) VIII-4-1- 1-3  VIII-4-1- 1-5  VIII-4-1- |                  |   | disclose information that is known by me to be material to patentability as defined by 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued |
| (city and either US State, if applicable, or country)  VIII-4-1- 1-3  VIII-4-1- 1-5  (city and either US State, if applicable, or country)  Multimedia And Vision Research Lab University of London Electronic Engineering Department Queen Mary, Mile End Road E14 NS London  DE  /Ebroul Izquierdo/  |                  | Name (LAST, First)  | IZQUIERDO, Ebroul Dr   |
| University of London Electronic Engineering Department Queen Mary, Mile End Road E14 NS London  DE  VIII-4-1- (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of  | VIII-4-1-        | (city and either US State, if applicable,   | London, United Kingdom   |
| VIII-4-1- 1-4 VIII-4-1- 1-5 Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of  |                  | Mailing address:  | University of London Electronic<br>Engineering Department Queen Mary, Mile   |
| VIII-4-1- Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of  |                  | Citizenship:  |  |
|  | VIII-4-1-<br>1-5 | (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature           | /Ebroul Izquierdo/   |
| VIII-4-1- 1-6  Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)  28 June 2004 (28.06.2004)  | 1-6              | (of signature which is not contained in<br>the request, or of the declaration that is<br>corrected or added under Rule 26ter<br>after the filing of the international | 28 June 2004 (28.06.2004)  |

# Print Out (Original in Electronic Form)

| IX    | Check list   | number of sheets                                       | electronic file(s) attached |  |
|-------|--|--|-----------------------------|--|
| IX-1  | Request (including declaration sheets)                     | 8  | ✓                           |  |
| IX-2  | Description  | 22   | ✓                           |  |
| IX-3  | Claims   | 7  | ✓                           |  |
| IX-4  | Abstract   | 1  | ✓                           |  |
| IX-5  | Drawings   | 1  | ✓                           |  |
| IX-7  | TOTAL  | 39   |                             |  |
|       | Accompanying Items   | paper document(s) attached                             | electronic file(s) attached |  |
| IX-8  | Fee calculation sheet                                      | -  | ✓                           |  |
| IX-17 | PCT-SAFE physical media                                    | -  | 4                           |  |
| IX-19 | Figure of the drawings which should accompany the abstract | 1  |                             |  |
| IX-20 | Language of filing of the international application        | English  |                             |  |
| X-1   | Signature of applicant, agent or common representative     | /Derek J McCormack/  SpucCormack  McCORMACK,, Derek J. |                             |  |
| X-1-1 | Name (LAST, First)   | McCORMACK,, Derek J.                                   |                             |  |
| X-1-2 | Name of signatory  |  |                             |  |
| X-1-3 | Capacity   |  |                             |  |

# FOR RECEIVING OFFICE USE ONLY

| 10-1   | Date of actual receipt of the purported international application   |        |
|--------|---|--------|
| 10-2   | Drawings:   |        |
| 10-2-1 | Received  |        |
| 10-2-2 | Not received  |        |
| 10-3   | Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application |        |
| 10-4   | Date of timely receipt of the required corrections under PCT Article 11(2)  |        |
| 10-5   | International Searching Authority   | ISA/EP |
| 10-6   | Transmittal of search copy delayed until search fee is paid   |        |

# FOR INTERNATIONAL BUREAU USE ONLY

| 11-1 Date of receipt of the record copy by |  |
|--|--|
| the International Bureau                   | out and the same of the same o |

PCT (ANNEX - FEE CALCULATION SHEET)

Print Out (Original in Electronic Form)

(This sheet is not part of and does not count as a sheet of the international application)

| )       | For receiving Office use only  |   |   |           |  |
|---------|--|---|---|-----------|--|
| )-1     | International Application No.  |   |   |           |  |
|         | Date stamp of the receiving Office   |   |   |           |  |
| l       |  |   |   |           |  |
| 0-4     | Form PCT/RO/101 (Annex)  |   |   |           |  |
| [       | PCT Fee Calculation Sheet  |   |   |           |  |
| 0-4-1   | Prepared Using   | PCT Online Fil                          | ing                                     | ٥١        |  |
|         |  |   | ersion 3.50 (Build 0001.162)            |           |  |
|         | Applicant's or agent's file reference  | CML01371EV                              |   |           |  |
| 2       | , the harmonia   | MOTOROLA INC                            | Total amounts (EUR)                     |           |  |
| 12      | Calculation of prescribed fees Transmittal fee T   | fee amount/muliplier                    | 100 100 100 100 100 100 100 100 100 100 |           |  |
| 12-1    | Transmittance  | <b>₽</b>                                |   |           |  |
| 12-2-1  | Search fee S   | ⇔                                       | 1550                                    |           |  |
| 12-2-2  | International search to be carried out by  | EP                                      |   |           |  |
| 12-3    | International filing fee   |   |   |           |  |
|         | (first 30 sheets) i1   | 902                                     |   |           |  |
| 12-4    | Remaining sheets   | 9                                       |   |           |  |
| 12-5    | Additional amount (X)  | 10                                      |   |           |  |
| 12-6    | Total additional amount i2   | 90                                      |   |           |  |
| 12-7    | i1 + i2 = i  | 992                                     |   |           |  |
| 12-12   | Electronic Filing reduction (Full) R   | -129                                    |   |           |  |
| 12-13   | Total International filing fee (i-R)   | □ □                                     | 863                                     |           |  |
| 12-14   | Fee for priority document  |   |   |           |  |
|         | Number of priority documents   | О                                       |   |           |  |
|         | requested  |   |   |           |  |
| 12-15   | · ·  | 30                                      |   |           |  |
| 12-16   | Total priority document fee: P   | < □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ |   |           |  |
| 12-17   | TOTAL FEES PAYABLE (T+S+I+P)   | ⊏\$                                     | 2513                                    |           |  |
| 12-19   | Mode of payment  | authorization                           | authorization to charge deposit account |           |  |
| 12-20   | Deposit account instructions   |   |   |           |  |
|         | The receiving Office   | European Pate                           | nt Office (EPC                          | ) (RO/EP) |  |
| 12-20-1 | Authorization to charge the total fees   | ✓                                       |   |           |  |
|         | indicated above.   |   |   |           |  |
| 12-20-2 | Authorization to charge any deficiency o<br>credit any overpayment in the total fees<br>indicated above. | <b>√</b>                                |   |           |  |
| 12-20-3 | Authorization to charge the fee for priority document.   | ✓                                       |   |           |  |
| 12-21   | Deposit account No.  | 28050071                                |   |           |  |
| 12-22   | Date   | 28 June 2004 (28.06.2004)               |   |           |  |
| 12-23   | Name and signature   | DEREK J MCCORMACK,                      |   |           |  |
|         |  | Spercomaile                             |   |           |  |
|         |  | /Derek J McCo                           | rmack/                                  |           |  |